

MOBILE WATER SERVICES

ACTIFLO® Clarification

Pure Water Service. Anytime. Anywhere.

Veolia Water Technologies provides clients with mobile water solutions utilizing the Actiflo Turbo™ high-rate clarification technology. With more than 1150 references around the world, the Actiflo technology has been in use for municipal and industrial water and wastewater treatment for more than 33 years.

Actiflo provides industrial users with the ability to generate high volumes of high quality effluent, utilizing a very small footprint design that requires only a fraction of the space required by typical water pre-clarification or wastewater treatment clarification technology. By mobilizing Actiflo Turbo™, you are able to realize the benefits of this proprietary technology and the solutions to your purified water needs are simply just down the road.



Planned And Emergency Purified Water Needs



Emergency Rental:

Unexpected upsets are common in any industrial water utility operation. Let Veolia's mobile Actiflo Turbo™ technology provide you the continuity in water supply you require to avoid costly downtime in your operation until your plant is up and running reliably again.



Planned Temporary:

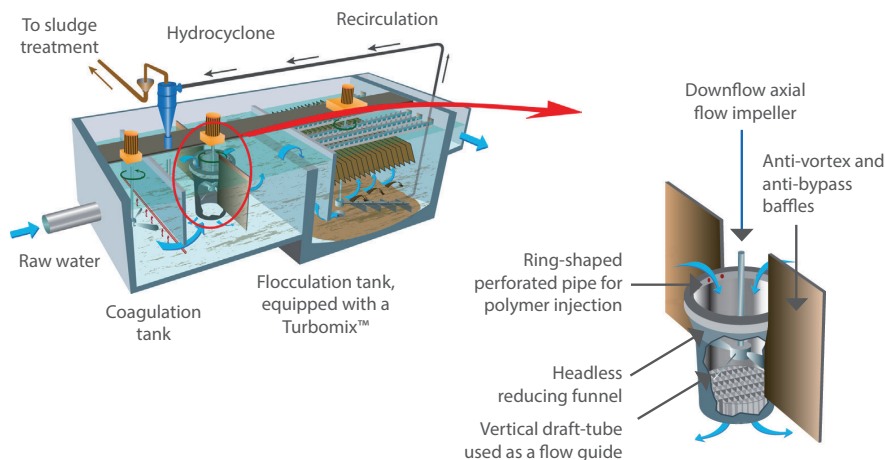
Whether you are dealing with a short term outage on your water plant, or a production increase that requires a short term increase in your water clarification or wastewater capacity, Veolia's mobile Actiflo Turbo™ technology can provide your plant the influent or waste treatment effluent water quality you require.



Long-term Contract:

Many industrial clients prefer not to invest capital monies into needed improvements to their water pre-treatment or wastewater treatment plants. Veolia's mobile Actiflo Turbo™ technology, combined with operational services provide you with options that can evolve into long term contracts - up to several years.

Actiflo® Turbo Schematic



How it Works:

ACTIFLO Turbo™ technology uses a patented draft tube design to flocculate incoming solids with a proprietary microsand. The dense microsand acts as a ballast as flocculation occurs, and dramatically increases the settling rate of the solids. This results in excellent solids/ metals separation, using a very small footprint. Hydrocyclones separate the sludge from the microsand, and recycle it back into the unit, adding to the sustainable operation of the unit by minimizing sludge volume.

Specifications

Actiflo® Turbo ACP2-40M High Rate Sand Ballasted Package Clarifier used for Water Clarification, Suspended Solids & Metal Removal, as well as Cold Lime Softening

General

- > Dimensions (LxWxH)48' x 8.5' x 13.5' (19' to top of piping)
Single Drop, Flat Bed
- > Weight (Shipping/Operating)45,000 lbs. (135,000 lbs. wet)
- > Feed Water.....300 - 1500 GPM at 25 psig
- > Service Water.....50 GPM at 60 - 90 psig
- > Product Water300 - 1400 GPM at 9' head
- > Sludge.....10 - 140 GPM at 9' head
- > Electrical Requirements.....480 VAC/3Phase/100 AMP
- > Service Connections (150 lb. Flange or Camlock)

Raw Water Inlet..... 10 inch @ 25psig.
Service Water Inlet..... Various options
Clarified Water Outlet 14 inch @ 9ft head
Sludge Outlet 3 inch @ 9ft head

Control System

- > NEMA 4X Allen-Bradley PLC with HMI interface
- > Ethernet communication to other Mobile Water Service trailers or client's DCS
- > Cellular Broadband connection & remote monitoring (where available)
- > VFD Controlled Polymer Pump and Flocculation Mixer

Other Features

- > Compatible with Veolia Water Technology's proprietary Hydrex™ line of cationic & anionic flocculants and coagulants
- > Flocculant/dry polymer manual batching/make-down and feed system
- > Patented Turbomix™ draft tube for enhanced flocculation
- > Insulated and environmentally controlled container housing controls, polymer make-down system and lab sink
- > General Specifications Control System
- > River Water Clarification in excess of 1200 GPM

